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Date of Deposit January 31, 2002.

| | | PTO-139 | 0 | | DEPARTMENT OF COMMERCE TENT AND TRADEMARK OFFICE | CASE NO. 9793/73 | | |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-------------|---------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------|--|--|
| D D | #(REV. 5-93) PATENT AND TRADEMARK OFFICE TRANSMITTAL LETTER TO THE UNITED STATES U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) | | | | | | | |
| | | DE | SIGNATI | ED/ELECTE | D OFFICE (DO/EO/US) | | | |
| INIT | CONCERNING A FILING UNDER 35 U.S.C. 371 09/890,442 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED | | | | | | | |
| 1141 | | | P00/0060 | | January 27, 2000 | January 29, 1999 | | |
| | | OF INVEI | | CTION OF N | I-TERMINAL PROBNP | | | |
| API | PLIC | ANT(S) | FOR DO | /EO/US | | | | |
| | | | | | Kerstin Krueger, Anneliese Borgya, and ted States Designated/Elected Office (F | d Andreas Gallusser DO/EO/US) the following items and other information: | | |
| 1. | | | | | of items concerning a filing under 35 U. | | | |
| 2. | \boxtimes | | | | EQUENT submission of items concerni | | | |
| 3. | П | This e | express | request to | begin national examination proce | edures (35 U.S.C. 371(f)) at any time rather | | |
| | _ | | | | | imit set in 35 U.S.C. 371(b) and PCT Articles 22 and | | |
| 4. | | | er Dema | | ernational Preliminary Examination | was made by the 19th month from the earliest | | |
| 5. | | | | | pplication as filed (35 U.S.C. 371(c)(2)) | | | |
| | | a. | | | ted herewith (required only if not transn | | | |
| | | b. | | has been t | transmitted by the International Bureau. | | | |
| | | C. | | is not requ | ired, as the application was filed in the | United States Receiving Office (RO/US). | | |
| 6. | | A trans | lation of t | he Internatio | onal Application into English (35 U.S.C. | 371(c)(2)). | | |
| 7. | | Amend | ments to | the claims o | of the International Application under PC | CT Article 19 (35 U.S.C. 371(c)(3)). | | |
| | | a. | | are transm | nitted herewith (required only if not trans | smitted by the International Bureau). | | |
| | | b. | | have been | transmitted by the International Bureau | J. | | |
| | | c. | | have not b | een made; however, the time limit for n | naking such amendments has NOT expired. | | |
| | | d. | | have not b | een made and will not be made. | | | |
| 8. | | `A trans | lation of t | he amendme | ents to the claims under PCT Article 19 | (35 U.S.C. 371(c)(3)). | | |
| 9. | \boxtimes | An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). | | | | | | |
| 10. | | | | | | | | |
| Iten | ns 1 | 1. to 16. | Below c | oncern othe | er document(s) or information includ | led: | | |
| 11. | | An Info | rmation D | isclosure St | tatement under 37 CFR 1.97 and 1.98. | | | |
| 12. | \boxtimes | An assi | gnment d | locument for | r recording. A separate cover sheet in c | ompliance with 37 CFR 3.28 and 3.31 is included. | | |
| 13. | | A FIRS | T prelimir | nary amendr | ment. | | | |
| | | | A SECO | OND or SUB | SSEQUENT preliminary amendment. | | | |
| 14. | | A subst | itute spec | cification. | | | | |
| 15. | \boxtimes | A chang | ge of pow | er of attorne | ey and/or address letter. | | | |
| Red Not Dis | 15. ☑ A change of power of attorney and/or address letter. 16.☑ Other items or information: Form PCT/DO/EO/905; Form PCT/DO/EO/920; Response to Notification of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US) (in duplicate); Response to Notification to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures; Petition and Fee for Three (3) Month Extension of Time (in duplicate); Check for \$920; Duplicate 3.5" Diskette containing Sequence Listing; Substitute Paper Copy of Sequence Listing (2 pages); and Return Postcard. | | | | | | | |





| U.S. APPLICAT | ION NO. (If known 09/89 | i, see 37 C.F.R. 1.50) O.442 | INTERNATIONAL AP | PLICATION NO. P00/00602 | CASE NO. 9793/73 | |
|------------------------------------|------------------------------------------|----------------------------------------------------------------------------|--------------------------|----------------------------------------------------|-----------------------------|-------------------------|
| 17. The | | es are submitted: | . 0.721 | | CALCULATIONS | PTO USE ONLY |
| Bas | ic National Fee | (37 CFR 1.492(a)(1)-(5)): een prepared by the EPO or JPO | | \$890.00 | CALCULATIONS | FIO USE ONE |
| | | ary examination fee paid to USPT | | \$710.00 | | |
| (37 | CFR 1.482) but ir | minary examination fee paid to US nternational search fee paid to US | PTO | \$740.00 | | |
| CFF | R 1.482) nor interr | preliminary examination fee (37 national search fee (37 CFR | | ¢4.040.00 | | |
| Inte | mational prelimin | ary examination fee paid to | | \$1,040.00 | | |
| USF prov | PTO (37 CFR 1.44 visions of PCT Art | 82) and all claims satisfied ticle 33(1)-(4) | | \$100.00 | | |
| | | APPROPRIATE BAS | | | \$ | |
| Surcharge of \$1 priority date (37 | | ing the oath or declaration later tha | ın ∐ 20 ⊠ 30 months | from the earliest claimed | \$130 | |
| Čla | | Number Filed | Number Extra | Rate | | |
| Total Claims | | - 20 = | | x \$ 18.00 | | |
| Independent CI | | - 3 = | | x \$ 84.00 | | |
| Multiple depend | lent claim(s) if Ap | plicable) | 0 | +\$280.00 | | |
| | | | | BOVE CALCUATIONS = | \$ | |
| Reduction by 1/2 CFR 1.9, 1.27, | | Il entity, if applicable. Verified Sm | all Entity statement mus | st also be filed. (Note 37 | | ĺ |
| 011(1.3, 1.27, | 1.20) | | | SUBTOTAL = | \$130 | |
| Surcharge of \$ | 130.00 for furnish | hing the English translation later t | han the 20 30 | | | |
| claimed priority | date (37 CFR 1.4 | 492(f)). | | | \$ | |
| | | | | TOTAL NATIONAL FEE= | \$ | |
| Fee for | recording the end | closed assignment (37 CFR 1.21(h appropriate cover s | | st be accompanied by an 1), \$40.00 per property + | 40.00 | |
| , | | | | TAL FEES ENCLOSED= | \$170 | |
| | | | | | Amount to be | \$ |
| | | | | | refunded | |
| | | | | | charged | \$ |
| a. 🛛 | Checks in | the amounts of \$130 and \$40 to o | cover the above fees are | e enclosed. | | |
| b. 🗆 | | narge my Deposit Account No. 23- | | | s. A duplicate copy of this | |
| c. 🔯 | | missioner is hereby authorized to o A duplicate copy of this sheet is e | | es which may be required, | or credit any overpayment | to Deposit Account No. |
| l | an appropriate tir lication to pendin | me limit under 37 CFR 1.494 or 1 g status. | .495 has not been met | a petition to revive (37 C | FR 1.137(a) or (b)) must l | pe filed and granted to |
| Send All Corres | spondence to: | | | | | |
| | Brinks | s Hofer Gilson & Lione | # | | | |
| | | P.O. Box 10395 | - | | | * |
| | | chicago, IL 60610 | Signa | Mre 2 | • | |
| 02/08/2008 | Z MNGUYEN Ó | 0000088 09890442 | 2 | regory zayo | ~ | |
| 01 FC:154 | | 130.00 OP | Name Grego | bry H. Zayila | | : |
| | | | | tration Number 48 059 | | |

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| "Express Mail" mailing label number | EL 669 271 052 US |
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| Date of Deposit: | January 31, 2002 |
| • | |

Case No. 9793/73

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

| In re Application of: | |) |
|-----------------------|-------------------------------|----------------------------------|
| | Johann Karl et al. |) |
| | |) Examiner: To Be Assigned |
| Serial Number: | 09/890,442 |) |
| | |) Group Art Unit: To Be Assigned |
| Filing Date: | July 26, 2001 |) |
| | • |) |
| Title: | Assay for the Detection of N- |) |
| | Terminal proBNP |) |

RESPONSE TO NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Commissioner for Patents Washington D.C. 20231

Dear Sir:

S. 3

In response to the Notification to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures (copy attached herewith), applicants state the following:

In a telephone conversation with the undersigned agent on November 19, 2001, Ms. India Evans of the United States Patent and Trademark Office stated that the original 3.5" diskette containing the sequence listing for the above-identified patent application was received together with the other application materials filed on July 26, 2001. Nonetheless, Applicants submit herewith a duplicate 3.5" diskette

containing the sequence listing. As required under 37 C.F.R. § 1.821, Applicants note that the sequence listing information recorded in computer readable form is identical to the written sequence listing.

In addition, Applicants note that a paper copy of the sequence listing was already submitted as part of the English translation of the International Application filed on July 26, 2001. A substitute paper copy of the sequence listing (pages 29 and 30 of the English translation filed on July 26, 2001) are attached herewith.

It is respectfully submitted that the Applicants are in full compliance with the requirements for patent applications containing nucleotide sequence and/or amino acid sequence disclosures.

Respectfully submitted,

Registration No. 48,059

Agent for Applicants

BRINKS HOFER GILSON & LIONE P.O. BOX 10395 CHICAGO, IL 60610 (312) 321-4200

| "Express Ma | ail" mailing label number | EL 669 271 052 US | |
|---------------|-----------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------|
| Date of Dep | osit: | January 31, 2002 | |
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| | | | Case No. 9793/73 |
| n | N THE UNITED | STATES PATE | NT AND TRADEMARK OFFICE |
| In re Ap | plication of: | | |
| | Johann Karl | et al. | |
| Serial N | o.: 09/890,442 | | Attention: Manager, |
| Filed: | July 26, 200 | 1 | Application Branch |
| For: | Assay for th N-Terminal | e Detection of proBNP | |
| | | NITED STATE | MISSING REQUIREMENTS UNDER 35 S DESIGNATED/ELECTED OFFICE CO/US) |
| | ssioner for Patents gton, D.C. 20231 | | |
| Attn.: B | ox Missing Parts | | |
| Dear Si | . : | | |
| in the U | nited States Design copy of which is at | nated/Elected Of | issing Requirements under 35 U.S.C. 371 fice (DO/EO/US) mailed September 20, I herewith for filing are the following |
| | Fully executed Dec | | nt Application and Power of Attorney for tion. |
| \boxtimes A | Applicant is: | | |
| [| a small entit | y, verified staten | nent is: |

attached

| | | | already filed | |
|----------------|---------------------|------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | \boxtimes | other | than small entity | |
| \boxtimes | Check | s totali | ng \$ <u>1050</u> for: | |
| | \boxtimes | Exten | sion of Time Fee of \$ <u>920</u> | <u>)</u> . |
| | \boxtimes | Surch | arge of \$ <u>130</u> . | |
| | | Addit | ional Claim Fees of \$ | · |
| \boxtimes | Petitio duplic | | Extension of Time (37 C. | F.R. § 1.136(a)) to file missing parts (in |
| | Require Amino Seque | rements o Acid nce Lis | s for Patent Applications Sequence Disclosures; Esting; Substitute Paper C | onse to Notification to Comply with Containing Nucleotide Sequence and/or Ouplicate 3.5" Diskette containing opy of Sequence Listing (2 pages); Check for \$40; Return Postcard. |
| \boxtimes | credit | ommis overpa is encl | yment to Deposit Accou | ed to charge any deficiencies in fees or nt No. 23-1925. A duplicate copy of this |
| Dated: | Janu | ary 31 | , 2002 | Respectfully submitted, Gregory H. Layia Registration No. 48,059 Agent for Applicants |
| P.O. B CHIC | OX 10 |)395 IL 606 | GILSON & LIONE | |
| rev. Oct. | -01 | | | |

Document8

Commissioner for Patents, Box PCT United States Patent and Trademark Office Washington, D.C. 20231

| U.S. APPLICATION NO. | | FIRST NAMED APPLICANT | | ATTY, DOCKET NO. |
|------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------|
| 09/890 | 442 | KARL | J | 9793/73 |
| 33,333 | · ·- | | INTERNA | ATTONAL APPLICATION NO. |
| JEFFREY M DUNG BRINKS HOFER G | | ONE | PC | T/EP00/00602 |
| PO BOX10395 | | | I.A. FILINO D | ATE PRIORITY DATE |
| CHICAGO, IL 6061 | 10 | | 27 JAN 0 | 00 29 JAN 99 |
| | | | DATE MA | 1LED: 20 SEP 200 |
| NOTIFICATION CONTAIN | ON TO CO NING NUC | OMPLY WITH REQUIREMENT ELEOTIDE SEQUENCE AND/OI DISCLOSURES | S FOR PATEN R AMINO ACI | IT APPLICATIONS ID SEQUENCE |
| America. The ite | ms indicate | ers under 35 U.S.C. 371 to enter the d below, however, are missing. To void abandonment is set forth in the | he period within | n which to correct the |
| The nucleotide an with the requirem reason(s): | d/or amino ents for suc | acid sequence disclosure contained the a disclosure as set forth in 37 CF | in this applica FR 1.821-1.825 | tion does not comply for the following |
| This a | pplication d | ails to comply with the requirement loes not contain, a "Sequence Listinger copy or compact disc, as require equence Listing" in computer reada | ng" as a separated by 37 CFR 1 | te part of the 1.821(c). |
| require A cop | ed by 37 CF y of the "Se | FR 1.821(e). equence Listing" in computer reada | ble form has be | een submitted. The |
| 37 CFI Sequer | R 1.822 and ace Listing. | nputer readable form, however, doi 1/or 1.832, as indicated on the attac " | hed marked-up | copy of the "Raw |
| damag substi | ged and/or u | idable form that has been filed with unreadable as indicated on the attacter readable form must be submitted | hed CRF Diske I as required by | ette Problem Report. A y 37 CFR 1.825(d). |
| | uter readabl | or compact disc of the "Sequence Listing" a | | |
| | | | | |
| APPLICANT MI | JST PROV | IDE: titute computer readable form (CR | F) of the "Seau | ence Listing." |
| | | titute paper copy or compact disc of | | |
| ameno | lment direc | ting its entry into the specification. | | |
| A stat | ement that | the contents of the paper or compact | t disc and the o | computer readable form |
| are th | e same and | , where applicable, include no new), 1.821(g), 1.825(b) or 1.825(d). | matter, as requ | iired by 37 CFR |
| FOR QUESTION | IS REGAR | DING COMPLIANCE WITH THI | ESE REQUIRE | MENTS, PLEASE |
| (703) 30 (703) 30 | 8-4212, for | r Rules interpretation, r CRF submission help, r PatentIn software help. | | |
| | | | India Evai | ns |
| | | Teleph | one: 703-305-2 | 936 |

Commissioner for Patents, Box PCT United States Patent and Trademark Office Washington, D.C. 20231 www.uspio.gov

| U.S. APPLICATION NO. | T | | FIRST NAMED APPLICANT | | ATTY, DOCKET NO. |
|--------------------------------------------|-------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------|------------------------|
| 09/8904 | 42 | | KARL J | | 9793/73 |
| | | | | INTERNATIONAL | L APPLICATION NO. |
| JEFFREY M DUN | | ONE | | PCT/EF | 200/00602 |
| BRINKS HOFER (PO BOX10395 | GLISON & LI | ONE | | I.A. FILING DATE | PRIORITY DATE |
| CHICAGO, IL 606 | 10 | | | 27 JAN 00 | 29 JAN 99 |
| | | | j | | 90 050 00 |
| | | | | DATE MAILED: | 20 SEP 20 |
| NOTIFICATION | | | JIREMENTS UNDER ED/ELECTED OFFIC | | N THE UNITED |
| . The following ite | ms have been | submitted by the | applicant or the IB to the Un | ited States Patent and | Trademark |
| Office as | | | .494) an Elected Office | | |
| | sic National Fe | | Indication of Small Ent | | to English |
| | the internation Declaration of | | Translation of the inter | | |
| - Comu of | Article 19 ame | | Other: | - amenamento mito El | |
| <u>—</u> | Document. | | <u> </u> | | |
| | | minary Examinati | on Report in English and its | Annexes, if any. | |
| | | | nal Preliminary Examination | | |
| Applicani has | requested early | processing unde | r 35 U.S.C. 371(f) but has no | ot filed the following i | indicated items and/o |
| ne indicated items in | paragraph 3 b | elow. The Basic | National Fee and the copy o | f the international app | lication must be filed |
| rior to 20 or 30 mor | iths from the p | riority date to ave | oid abandonment. | | |
| U.S. Ba | sic National Fe | æ. | Copy of the internation | al application. | |
| | | urnished within t | he period set forth below in | order to complete the | requirements for |
| cceptance under 35 | U.S.C. 3/1: lation of the ar | polication into En | glish. A processing fee will | be required if submitt | ed |
| | | | months from the priority dat | | |
| ☐ Th | e current trans | lation is defective | for the reasons indicated on | the attached Notice o | f Defective |
| Tr | anslation. | | | | |
| | | | slation of the application and the priority date (37 CFR 1.4 | | nan the |
| apj r⊽⊧c Oath | or declaration | of the inventors. | in compliance with 37 CFR 1. | 1.497(a) and (b), prop | erly identifying |
| the | application (p | referably by the l | nternational application num | ber and international f | iling date). A |
| sui | charge will be | required if subm | itted later than the appropriat | e 20 or 30 months fro | om the priority |
| dat | | or declaration do | es not comply with 37 CFR 1 | 497(a) and (b) for th | e reasons |
| | | ittached PCT/DO | | 1.497(a) and (b) for th | ic reasons |
| ∏a d. Surch | arge for provi | ding the oath or o | leclaration later than the appi | opriate 20 or 30 mon | ths from the |
| _ | | CFR 1.492(e)). | | | |
| . Additional claim | fees of \$ | as a [| large entity small entity, | including any require | d multiple dependent |
| laim fee, are require ue (37 CFR 1.492) | ed. Applicant : (a)). See attach | must submit the a ed PTO-875. | additional claim fees or cance | the additional claims | s for which fees are |
| ` " | | | ence listing pursuant to 37 C | FR 1.821-1.825. See | attached |
| CT/DO/EO/920. | | * | J 1 | | |
| MONTHS FROM T | THE DATE O | F THIS NOTIC! E APPLICATIO | 4 AND 5 ABOVE MUST I E OR BY 22 OR 32 MONT DN, WHICHEVER IS LAT Γ. | HS (where 37 CFR 1 | .495 applies) FROM |
| | | | a petition and fee for extens | ion of time under the | provisions of 37 CFF |
| Annexes will be can | celled. A proc anendments | essing fee will be are cancelled sinc | nnexes MUST be submitted a required if submitted later the e a translation was not provi- ate. | nan 20 or 30 months f | rom the priority date. |
| | | | e United States Patent and Troplication no. shown above. (| | be mailed to the |
| | A come at | estin masina | MITTER he metured t | vith thic recnan | |
| | DO/EO/917 | ☐ Not | MUST be returned wice of Defective Translation | an ins respon | se. |
| Enclosed: PCT/ | DO/EO/917 | ☐ Not | ice of Defective Translation T/DO/EO/920 | India Evans | ve. |